

Converting Colors

XYZ(40.4001, 20.5343, 31.0352)

Have a look what the booklet for
XYZ(40.4001, 20.5343, 31.0352)
contains.

XYZ(40.4109, 20.5330, 31.1115)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.4109, 20.5330,
31.1115)**

Conversions

Conversions Part 1

Format	Color
Hex	EC1397
RGB	236, 19, 151
RGB Percent	93%, 7%, 59%
CMY	0.0745, 0.9254, 0.4078
CMYK	0.00, 0.92, 0.36, 0.07
HSL	324°, 85%, 50%
HSV	324°, 92%, 93%
XYZ	40.4109, 20.5330, 31.1115
YIQ	98.9310, 86.9600, 87.0560

Conversions

Conversions Part 2

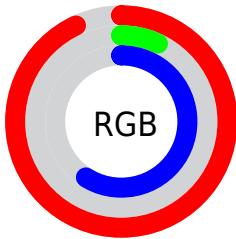
Format	Color
R_{YB}	236, 19, 151
Decimal	15471511
CIE _{Lab}	52.43, 81.00, -13.74
CIE _{LCh}	52, 82.153, 350.373
Yxy	20.5330, 0.4390, 0.2231
Android (android.graphics.Color)	4293661591 (0xFFEC1397)
YUV	98.9310, 25.6700, 120.2095
Hunter-Lab	45.3134, 79.8897, -8.9883

Details

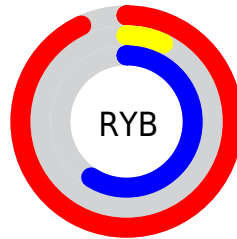
The XYZ color **40.4109, 20.5330, 31.1115** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **32.7651, 61.1300, 23.1780**, and the grayscale version is **11.7691, 12.3820, 13.4840**.

A 20% lighter version of the original color is **56.9131, 34.9751, 61.5088**, and **19.7558, 9.9188, 12.9299** is the 20% darker color. If you saturate the color by 10%, you get **39.5913, 19.8326, 27.9444**, and if you desaturate by 10%, it is **41.8095, 22.0808, 35.4290**.

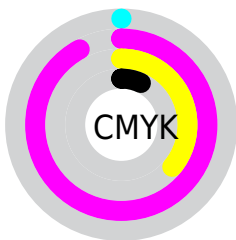
Distribution



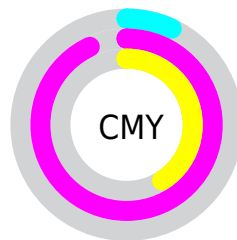
- Red (93%)
- Green (7%)
- Blue (59%)



- Red (93%)
- Yellow (7%)
- Blue (59%)



- Cyan (0%)
- Magenta (92%)
- Yellow (36%)
- Black (7%)





- Cyan (7%)
- Magenta (93%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4109, 20.5330, 31.1115 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 40.4109, 20.5330, 31.1115 by changing the saturation by 10% instead.

 40.4109, 20.5330,
31.1115


 40.4109, 20.5330,
31.1115


338.9572,
254.7861, 321.4188

 28.0447, 12.7831,
20.4246


 75.0692, 44.3090,
62.4972


 18.5000, 7.2793,
12.5169


 98.0920, 61.1039,
84.0331


 11.4114, 3.6374,
6.9700


 125.3977, 81.6825,
110.0224

 6.4136, 1.4729,
3.3652

 157.3516,
106.4293, 140.8836

 3.1412, 0.2695,
1.2840

 194.3192,
135.7287, 177.0353

 1.2289, 0.0000,
0.0486

236.6658,

 0.1290, 0.0000,

169.9650, 218.8960

0.0000

284.7566,
209.5227, 266.8844

■ 0.0000, 0.0000,
0.0000

■ 40.4109, 20.5330,
31.1115

■ 40.4109, 20.5330,
31.1115

■ 39.5913, 19.8326,
27.9444

■ 41.8095, 22.0808,
35.4290

■ 43.7617, 24.6398,
40.2280

■ 46.3444, 28.3613,
45.5403

■ 49.6210, 33.3703,
51.3931

■ 53.6469, 39.7755,
57.8107

■ 58.4714, 47.6742,
64.8153

■ 64.1397, 57.1545,
72.4275

■ 70.6934, 68.2981,
80.6665

■ 78.1713, 81.1806,
89.5505

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.9619, 20.5330, 67.3258



40.4109, 20.5330, 31.1115



39.1405, 20.5330, 9.7218

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.4109, 20.5330, 31.1115



14.3720, 20.5330, 0.9361



10.8541, 20.5330, 81.0625

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.4109, 20.5330, 31.1115



32.7651, 61.1300, 23.1780

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



7.8736, 20.5330, 42.8734



40.4109, 20.5330, 31.1115



9.4583, 20.5330, 3.8412

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.4109, 20.5330, 31.1115



22.3720, 20.5330, 0.6577



7.4499, 20.5330, 15.4212



16.9141, 20.5330, 107.2371

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.4109, 20.5330, 31.1115



34.7610, 20.5330, 3.6991



7.4499, 20.5330, 15.4212



9.5427, 20.5330, 68.3013

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.4115, 20.5342, 31.1118



72.1665, 60.9226, 80.6489



20.8765, 9.3598, 80.0633



14.8517, 12.0516, 16.4433



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.4115, 20.5342, 31.1118



47.1648, 23.6299, 33.1295



35.2867, 18.4843, 4.1252



15.4504, 15.2080, 17.6568



21.8888, 10.9582, 15.7479



1.7658, 0.8793, 1.4842

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.4115, 20.5342, 31.1118



47.1648, 23.6299, 33.1295



41.9834, 64.8173, 71.7210



15.4504, 15.2080, 17.6568



21.8888, 10.9582, 15.7479



1.7658, 0.8793, 1.4842

Previews

White Background



This preview shows how the XYZ color 40.4109, 20.5330, 31.1115 looks on a white background.

Color Contrast Check

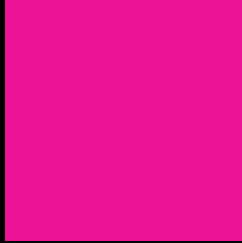
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 40.4109, 20.5330, 31.1115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4109, 20.5330, 31.1115

Background



This preview shows how black text looks on a background with the XYZ color 40.4109, 20.5330, 31.1115.



This preview shows how white text looks on a background with the XYZ color 40.4109, 20.5330,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.4109, 20.5330, 31.1115

Protanopia

23.1510, 21.0472, 66.4607

Deuteranopia

21.2508, 20.9143, 28.1161



Tritanopia

35.6030, 20.8043, 6.9896

Trichromacy



Original Color

40.4109, 20.5330, 31.1115



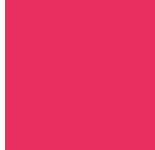
Protanomaly

23.6370, 15.9213, 51.1175



Deuteranomaly

24.7215, 16.9763, 28.7619



Tritanomaly

36.6926, 20.1222, 13.0164

Monochromacy



Original Color

40.4109, 20.5330, 31.1115



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

17.8546, 12.0779, 18.5298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4109, 20.5330, 31.1115 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(236, 19, 151)` looks like.

```
.text, #text, p{  
    color:rgb(236, 19, 151)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(236, 19, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 19, 151) }
```

Border

The CSS property to change the border of an element to XYZ 40.4109, 20.5330, 31.1115 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 19, 151) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(236, 19, 151) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(236, 19, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 19, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 19, 151);  
box-shadow:4px 4px 4px 4px rgb(236, 19,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4109, 20.5330, 31.1115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 19, 151) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(236, 19,  
151) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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